

## **AMENDMENTS TO THE CLAIMS**

1-10. (Cancelled)

11. (Original) A method for reconnecting an exchange of packet data between a mobile station and an external packet network by storing dormant state information of mobile stations in a dormant state where no packet data is exchanged with the external packet network, in a centralized database connected to a packet data switch, and updating the dormant state information stored in the centralized database in association with the mobile station when the mobile station in the dormant state moves to a target BSC adjacent to a source BSC in a wireless packet data system including a packet data switch node (PDSN) for connecting the external packet network to the mobile stations through the packet data switch and the source BSC connected to the packet data switch, the method comprising the steps of:

upon receipt of a termination call requesting termination of packet data from the external packet network, transmitting from the source BSC to the centralized database a query message for determining a location of the mobile station for the termination call;

upon receipt of the query message, searching dormant state information stored in association with the mobile station in the centralized database and transmitting the searched dormant state information to the source BSC using a location information message;

upon receipt of the location information message, transmitting from the source BSC to the target BSC where the mobile station is located a paging request message for requesting paging of the mobile station;

upon receipt of the paging request message, paging by the target BSC the mobile station and transmitting a page response acknowledge message acknowledging the paging to the source BSC when the mobile station responds to the paging;

upon receipt of the paging response acknowledge message, transmitting from the source BSC to the target BSC a packet call connection message requesting connection of the packet data , and thus connecting the source BSC to the target BSC through the packet data switch.

12. (Original) The method as claimed in claim 11, wherein the dormant state information includes an identifier of the mobile station, location information of the mobile station, a last registration time of the mobile station, and a source BSC ID of the mobile station.

13. (Original) The method as claimed in claim 12, wherein the dormant state information includes identifiers for connections used to exchange packet data of the mobile station in the dormant state, a temporary identifier assigned to the mobile station, a service option and service configuration.

14. (Original) The method as claimed in claim 11, wherein the query message includes an identifier of the mobile station for the termination call.

15-23. (Cancelled)

24. (Previously Presented) A method for reconnecting an exchange of packet data between a mobile station and an external packet network by storing dormant state information of mobile stations in a dormant state where no packet data is exchanged with the external packet network, in a centralized database connected to a packet data switch, and updating the dormant state information stored in the centralized database in association with the mobile station when the mobile station in the dormant state moves to a target BSC adjacent to a source BSC in a wireless packet data system including a packet data switch node (PDSN) for connecting the external packet network to the mobile stations through the packet data switch and the source BSC connected to the packet data switch, the method comprising the steps of:

upon receipt of a termination call requesting termination of packet data from the external packet network through the PDSN, transmitting from the target BSC to the centralized database, a query message for determining a location of the mobile station for the termination call; upon receipt of the query message, analyzing by the centralized database dormant state information stored in association with the mobile station and transmitting the analyzed dormant state information to the target BSC using a location information message;

upon receipt of the location information message, generating by the target BSC an internal paging request message and transmitting by the target BSC a page message for paging the mobile station based on the paging request message;

upon receipt of a paging response message from the mobile station in response to the page message, generating an internal paging response acknowledge message and transmitting to the centralized database a query message for requesting service information of the mobile station;

upon receipt of the query message, transmitting from the centralized database to the target BSC the service information stored in association with the mobile station using a given message; and upon receipt of the service information, transmitting from the target BSC to the PDSN a packet call connection message for requesting connection of the packet data and thus connecting the PDSN to the target BSC through the packet data switch.

25. (Original) The method as claimed in claim 24, wherein the dormant state information includes an identifier of the mobile station, location information of the mobile station, a last registration time of the mobile station, and a source BSC ID of the mobile station.

26. (Original) The method as claimed in claim 25, wherein the dormant state information includes identifiers for connections used to exchange packet data of the mobile station in the dormant state, a temporary identifier assigned to the mobile station, a service option and service configuration.

27. (Original) The method as claimed in claim 24, wherein the query message includes an identifier of the mobile station for the termination call.